

# Peerless

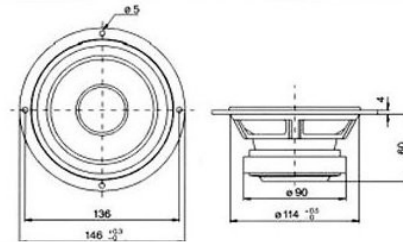


## 5" MIDRANGE



**822733**

146 MR 26 90 PPB AL 8Ω



**A** new version of the 821733 CC line midrange with new low loss resonance-free rubber surround and modernized magnet system. Low distortion due to short circuiting ring and well damped polypropylene cone. It is an open back type needing a separate volume of about 1-5 ltrs. This speaker is also very suitable as woofer/midrange in satellites using for instance the 831858 as common subwoofer.

Thiele Small parameters:		Free air	Common	Baffled	Magnet and voice coil parameters:	
Nominal impedance	Znom (Ω):		8.0		Voice coil diameter d (mm):	26
Minimum impedance/at freq.	Zmin (Ω/Hz):		6.6/376		Voice coil length h (mm):	13.0
Maximum impedance	Zo (Ω):		31.7		Voice coil layers n :	2
Dc resistance	Re (Ω):		5.9		Flux density in gap B (T):	1.18
Voice coil inductance	Le (mH):		0.9		Total useful flux Φ (mWb):	0.82
Capacitor in series with 8Ω (For impedance compensation)	Ce (μF):		7		Height of the gap hg (mm):	6
Resonance frequency	fs (Hz):	59.0		57.0	Diameter of magnet dm (mm):	90
Mechanical Q factor	Qms :	1.83		1.89	Height of magnet hm (mm):	15
Electrical Q factor	Qes :	0.42		0.44	Weight of magnet (kg):	0.4
Total Q factor	Qts :	0.34		0.36		
F (Ratio fs/Qts)	F (Hz):			160		
Mechanical resistance	Rms (kg/s):		1.74			
Moving mass	Mms (g):	8.6		9.2		
Suspension compliance	Cms (mm/N):		0.85		<b>Power handling:</b>	
Effective cone diameter	D (cm):		10.4		Longterm Max System Power (IEC) (W):	125
Effective piston area	Sd (cm²):		85.0		Max linear SPL (rms)/by power (dB/W):	107/90
Equivalent volume	Vas (l):		8.7		Frequency range for test signal:	500-5000 Hz
Force factor	BL (N/A):		6.7			
Reference Voltage Sensitivity Re 2.83V 1m at 376 Hz (Calculated)	(dB):		88.1		Normal programme material signal with a crest factor of 6dB (IEC 268-5) is used in both tests	

